

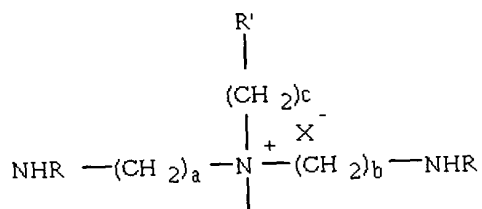
- $$\begin{array}{c} \text{NHR}' \\ | \\ (\text{CH}_2)_c \\ | \\ \text{NHR} - (\text{CH}_2)_a - \text{N}^+ - (\text{CH}_2)_b - \text{NHR} \\ | \\ \text{X}^- \end{array}$$

R is selected from the group consisting of an orthogonal protecting group and hydrogen;

a is selected from the group consisting of 1, 2, 3, and 4;

b is selected from the group consisting of 1, 2, 3, and 4;
 c is selected from the group consisting of 1, 2, 3, and 4;
 X^- is a monovalent ion.

7. A monomer for forming a polymer having the general structure comprising:



wherein

R is selected from the group consisting of a protecting group and hydrogen;

R' is selected from the group consisting of vinyl, acrylate, methacrylate, acrylamide, methacrylamide, and a targeting group;

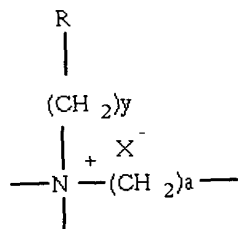
a is selected from the group consisting of 1, 2, 3, and 4;

b is selected from the group consisting of 1, 2, 3, and 4;

c is selected from the group consisting of 4 to 24;

X^- is a monovalent ion.

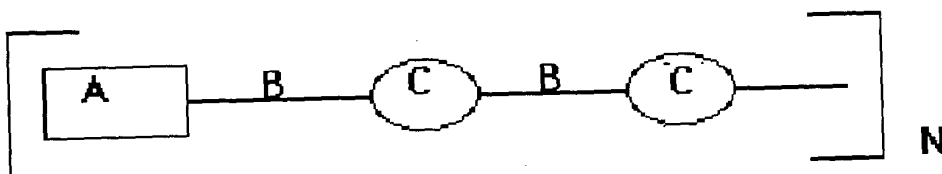
8. A monomer for forming a polymer having the general structure comprising:



wherein

R is selected from the group consisting of vinyl, acrylate, methacrylate, acrylamide, or methacrylamide;
 a is selected from the group consisting of 1, 2, 3 and 4;
 y is selected from the group consisting of 4 to 24;
 X- is a monovalent ion.

9. A polymer containing a repeating unit comprising:



wherein

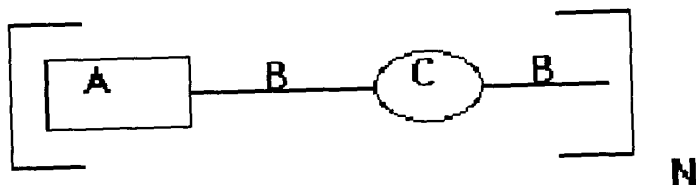
A is a nucleic acid-binding monomer including positively charged organic monomers;

B is a linker selected from the group consisting of aliphatic, cycloaliphatic and aromatic compounds;

C is a chemical bond selected from the group consisting of amide, amidine, disulfide, ether, ester, isothioureia, isoureia, sulfonamide, carbamate, carbon-nitrogen double bond, carbon-nitrogen single bond and carbon-nitrogen single bond;

N is greater than or equal to 2.

10. A nucleic acid binding polymer comprising:



wherein

A is a nucleic acid-binding monomer that includes positively charged organic monomers;

B is a linker selected from the group consisting of aliphatic, cycloaliphatic, and aromatic compounds;

C is a chemical bond selected from the group consisting of amide, amidine, disulfide, ether, ester, isothioureia, isourea, sulfonamide, carbamate, carbon-nitrogen double bond, carbon-nitrogen single bond, carbon-nitrogen single bond;

N is greater than or equal to 2.